

Amendments to the claims:

1. (currently amended) A power tool (10) with a housing (12) that includes a motor (20) with air cooling and a cooling-air exhaust duct (48), and a suction connecting piece (42) that guides cooling exhaust air guided by the cooling-air exhaust duct as well as dust evacuation air, and, connected thereto, a dust box (50, 150) including a top wall with air holes (72, 172) and a base,

wherein the dust box supports an air-tight hood in parallel with but a distance from the top wall and the base, and wherein the dust evacuation air is guided in the suction connecting piece (42) of the housing (12) such that it is sealed off by a partition (49) from the cooling exhaust-air flow.

2. (previously presented) The power tool as recited in Claim 1, further comprising separated channels for guiding the cooling exhaust air and the dust evacuation air in separate air streams out of the housing (12) to the dust box (50, 150) and further, unthrottled over its air holes (72, 172) over a large surface area as in a flat duct.

3. (canceled)

4. (previously presented) The power tool as recited in Claim 1, wherein the air-tight hood (66) includes an air outlet opening (70) in its back end.

5. (previously presented) The power tool as recited in Claim 1,

wherein the suction connecting piece (42) has an inlet opening for the cooling-air exhaust duct (48) located radially outwardly and on an upper part of the suction connecting piece (42), that is guided in the upper part of the suction connecting piece (42).

6. (previously presented) The power tool as recited in Claim 1, wherein the dust box (50, 150) includes a coupling branch (52, 152) for connection with the suction connecting piece (42) of the power tool (10), the cooling air duct (54, 154) of which is capable of being coupled with the cooling exhaust-air guided by the suction connecting piece (42).

7. (previously presented) The power tool as recited in Claim 1, wherein the base of the dust box (50, 150) is capable of being detached in the manner of a cover.

8. (previously presented) The power tool as recited in Claim 1, wherein the top wall (62) of the dust box is capable of being detached in the manner of a cover, the top wall carrying a pleated filter (64).

9. (canceled)

10. (previously presented) The power tool as recited in Claim 1,

wherein the cooling exhaust-air duct (46) is enlarged in the manner of a funnel in the outflow direction and, at its largest cross section, leads into the suction connecting piece.

11. (previously presented) The power tool as recited in claim 1, wherein cooling exhaust air flows in the space between the top wall of the dust box and the air-tight hood.

12. (previously presented) The power tool as recited in claim 1, wherein dust evacuation air flows in the space between the top wall of the dust box and the base of the dust box before it passes through the air holes in the top wall of the dust box to enter the space between the top wall of the dust box and the air-tight hood.